Remarks:

Applicants appreciatively acknowledge the Examiner's confirmation of receipt of Applicants' claim for priority and certified priority document under 35 U.S.C. § 119(a)-(d).

Reconsideration of the application, as amended herein, is respectfully requested.

Claims 1 - 3, 5 - 13, 15 - 23 and 25 - 30 are presently pending in the application. Claims 1, 3, 11, 13, 21 and 23 have been amended. Claims 4, 14, and 24 have been canceled.

On pages 3 - 4 of the above-identified Office Action, claims 1 - 30 were rejected under 35 U.S.C. § 103(a) as allegedly being obvious over U. S. Patent No. 6,388,997 to Scott ("**SCOTT**"), in view of U. S. Patent No. 6,975,613 to Johansson ("**JOHANSSON**").

Applicants respectfully traverse the above rejections, as applied to the amended claims.

More particularly, Applicants have amended claim 1 to recite, among other limitations:

> **a transmitter** of said base station being **configured to transmit first data bursts** to said mobile stations, at least some of the first data bursts containing at least two data blocks intended for different ones of said mobile stations, **said transmitter being**

> **configured to produce identification information for said piconetwork only at a start of a transmission of each of the first data bursts;**
>
> each of said mobile stations having **a transmitter configured to transmit a group of second data bursts** containing a data block intended for said base station, **said transmitter being configured to produce identification information for said piconetwork at a start of a transmission of the second data bursts;**
>
> **said first data bursts and groups of the second data bursts being transmitted alternately;** [emphasis added by Applicant]

Applicants' independent claims 11 and 21 have been amended to recite similar limitations. More particularly, claims 1, 11 and 21 were amended to include the limitations of claims 4, 14 and 24, respectively. Claims 4, 14 and 24 have been canceled.

As such, Applicants' independent claims 1, 11 and 21 require, among other limitations: 1) transmitting first data bursts including identification information only at a start of a transmission of each of the first data bursts; and 2) transmitting a group of second data bursts including identification information at a start of a transmission of the second data bursts; wherein 3) the first data bursts and groups of the second data bursts are transmitted alternately.

With regard to Applicants' former claims 4, 14 and 24 (now claims 1, 11 and 21, respectively), the Office Action alleged that the **SCOTT** reference, in combination with the teaching of a piconetwork in **JOHANSSON**, disclosed the limitations of

Applicants' claims. More particularly, the Office Action alleged that the limitations of Applicants' former claims 4, 14 and 24 were disclosed by Fig. 5C of **SCOTT**, elements 571 and 572; col. 4 of **SCOTT**, lines 64 - 67; and col. 5 of **SCOTT**, lines 1 - 21. Applicants respectfully disagree.

More particularly, **SCOTT** discloses time division duplex communication system, while Fig. 5C is a timing diagram, illustrated from a base station perspective, showing a variation of the TDD/TDM/TDMA system of Fig. 5A, using an interleaved symbol transmission format. The Office Action analogizes a base station burst 571 of Fig. 5C of **SCOTT**, with the first data burst recited by Applicants' claims 1, 11 and 21. However, claims 1, 11 and 21, as amended, **require that the identification information be produced only at the start of each of the first data bursts**. In contrast to Applicants' claimed first data bursts, the base station burst 571 of **SCOTT does not merely contain identification information at its beginning, but also at the beginning of each time slot 574 contained therein.**

Thus, the base station burst 571 of **SCOTT** cannot be the first data bursts (i.e., having identification information only at the start of each of the first data bursts) of Applicants' claims 1, 11 and 21. Such a first data burst, as particularly required by Applicants' claims 1, 11 and 21, is neither

taught, nor suggested by **SCOTT**. Thus, the **SCOTT** reference, even in combination with **JOHANSSON**, fails to teach or suggest all limitations of Applicants' claims 1, 11 and 21. Note that, Applicants' claims 1, 11 and 21 require, among other limitations, at least two mobile stations. As such, in the system of **SCOTT**, more than only **one** time slot 574 must be included in the base station burst 571 of **SCOTT**.

Similarly, the Office Action analogized the mobile bursts 572 of Fig. 5C of **SCOTT** with the second data bursts of Applicants' former claims 4, 14 and 24. However, Applicants' claims 1, 11 and 21 require, among other limitations, second data bursts including identification information at a start of a transmission of the second data bursts. As such, the mobile bursts 572 of **SCOTT** cannot correspond to the second data bursts of Applicants' claims 1, 11 and 21, for similar reasons to those given above with the first data bursts.

However, Applicants' note that even if the time slots 574 of **SCOTT** (i.e., the information contained therein) were analogized to Applicants' first data bursts of claims 1, 11 and 21, and the time slots 575 of **SCOTT** were analogized with the second data bursts of claims 1, 11 and 21, the **SCOTT** reference still does not disclose all limitations of Applicants' amended claims 1, 11 and 21. More particularly, **SCOTT** fails to teach or suggest, among other limitations of

Applicants' claims 1, 11 and 21, that **the first data bursts** (arguendo, the time slots 574 of **SCOTT**) are transmitted **alternately with the groups of the second data bursts** (arguendo, the time slots 575 of **SCOTT**), as required by amended claims 1, 11 and 21.

Rather, in contrast to the invention of Applicants' claims 1, 11 and 21, **SCOTT** discloses **a** group of first data bursts transmitted alternately with **a** group of second data bursts. Note that, if the system of **SCOTT** had **only** one base station and **only** one mobile station, it could be argued to disclose that the first data bursts and the groups of the second data bursts are transmitted alternately. However, Applicants' claims 1, 11 and 21 affirmatively recite that the claimed data transmission system includes **at least two mobile stations**. As such, the **SCOTT** reference fails to teach or suggest the above-limitations of Applicants' amended claims 1, 11 and 21. The **JOHANSSON** reference, cited in the Office Action in combination with **SCOTT** for showing a piconetwork, does not cure the above-discussed deficiencies of the **SCOTT** reference.

For the above reasons, among others, Applicants' claims 1, 11 and 21 are believed to be patentable over the **SCOTT** and **JOHANSSON** references, taken alone or in combination.

Additionally, Applicants have amended claim 3 to include all

of the limitations of the original claims 1 and 2. Similarly, Applicants amended claim 13 to include all of the limitations of originally filed claims 11 and 12, and Applicants amended claim 23 to include all of the limitations of originally filed claims 21 and 22. As such, Applicants' amended claims 3, 13 and 23 require, among other limitations: 1) that the base station and each of the mobile stations **have a local oscillator**, and 2) that each of the local oscillators **be connected to a respective phase locked loop** (PLL). The Office Action alleged that the above-limitations of Applicants' former claims 3, 13 and 23 were disclosed by **SCOTT** and **JOHANSSON**. More particularly, the Office Action alleged that Fig. 18 of element 1821 and col. 52 of **SCOTT**, lines 54 - 58, disclosed local oscillators, and that Fig. 18 of **SCOTT** and col. 52 of **SCOTT**, lines 1 - 2 and col. 53 of **SCOTT**, lines 1 - 11 disclosed each local oscillator of **SCOTT** connected to a respective phase-locked-loop (PLL). Applicants respectfully disagree.

More particularly, Fig. 18 of **SCOTT**, and the correspondingly cited text passages, **relate to a digital correlator**, wherein the oscillator 1840 of **SCOTT** **digitally correlates** a spread spectrum code 1846 of **SCOTT** with an intermediate frequency signal 1812 of **SCOTT**. See, for example, col. 52 of **SCOTT**, line 53 to col. 53, line 18.

However, the Office Action points to the components included in the dashed square (i.e., "PERFORM AT EACH CODE PHASE DESIRED") of Fig. 18 as being the PLL required by Applicants' amended claims 3, 13 and 23. Applicants respectfully disagree. In accordance with the specific teachings of **SCOTT**, the components pointed to in the Office Action as allegedly corresponding to Applicants' claimed PLL, **correspond to a digital correlator,** and **not** to a **PLL**. A PLL is an electric control system that has a well defined structure and operation in the art. For example, a PLL **must include** a control loop. The device of Fig. 18 of **SCOTT** does not contain any such control loop, and thus, is not a PLL.

The **JOHANSSON** reference, cited in the Office Action in combination with **SCOTT**, for showing a piconetwork, does not cure the above-discussed deficiencies of the **SCOTT** reference.

It is accordingly believed that none of the references, whether taken alone or in any combination, teach or suggest the features of claims 1, 3, 11, 13, 21 and 23. Claims 1, 3, 11, 13, 21 and 23 are, therefore, believed to be patentable over the art. The dependent claims are believed to be patentable as well because they all are ultimately dependent on claims 1, 3, 11, 13, 21 or 23.

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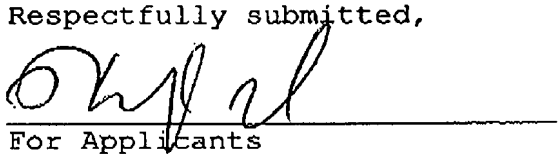
In view of the foregoing, reconsideration and allowance of claims 1 - 3, 5 - 13, 15 - 23 and 25 - 30 are solicited.

In the event the Examiner should still find any of the claims to be unpatentable, counsel would appreciate receiving a telephone call so that, if possible, patentable language can be worked out.

If an extension of time for this paper is required, petition for extension is herewith made.

Please charge any fees that might be due with respect to Sections 1.16 and 1.17 to the Deposit Account of Lerner Greenberg Stemer LLP, No. 12-1099.

Respectfully submitted,



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